

10706391>11/22/2006

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NEWS 7 SEP 21 CA/CAplus fields enhanced with simultaneous left and right  
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NEWS 8 SEP 25 CA(SM)/CAplus(SM) display of CA Lexicon enhanced  
NEWS 9 SEP 25 CAS REGISTRY(SM) no longer includes Concord 3D coordinates  
NEWS 10 SEP 25 CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine  
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NEWS 16 OCT 23 The Derwent World Patents Index suite of databases on STN  
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NEWS 17 OCT 30 CHEMLIST enhanced with new search and display field  
NEWS 18 NOV 03 JAPIO enhanced with IPC 8 features and functionality  
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NEWS 21 NOV 13 CA/CAplus pre-1967 chemical substance index entries enhanced  
with preparation role  
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NEWS 23 NOV 20 CA/CAplus to MARPAT accession number crossover limit increased  
to 50,000  
NEWS 24 NOV 20 CA/CAplus patent kind codes will be updated  
  
NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.  
  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 21 NOV 2006 HIGHEST RN 913812-85-8

DICTIONARY FILE UPDATES: 21 NOV 2006 HIGHEST RN 913812-85-8

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<http://www.cas.org/ONLINE/UG/regprops.html>

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198579 SQL=12

L1 1 KKHRKHKHRKH/SQEP

(KKHRKHKHRKH/SQEP AND SQL=12)

=> s kkhkrkhkrkh/sqsp

L2 3 KKHRKHKHRKH/SQSP

=> fil hcap uspatful

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	36.82	37.03

FILE 'HCAPLUS' ENTERED AT 11:24:45 ON 22 NOV 2006

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CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> L1

L3 2 L1

=> d L3 1-2 ibib abs hitstr

L3 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:569757 HCAPLUS

DOCUMENT NUMBER: 141:117120

TITLE: Anti-microbial chimeric pharmaceutical containing a microorganism-targeting moiety and an anti-microbial peptide moiety

INVENTOR(S): Eckert, Randal; Qi, Fengxia; Shi, Wenyan; Anderson, Maxwell H.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 44 pp., Cont.-in-part of U.S. Ser. No. 77,624.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 6

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004137482	A1	20040715	US 2003-706391	20031112
US 2004052814	A1	20040318	US 2001-910358	20010719
US 2003143234	A1	20030731	US 2002-77624	20020214
PRIORITY APPLN. INFO.:			US 1999-378577	A2 19990820
			US 2001-910358	A2 20010719
			US 2002-77624	A2 20020214
			US 1998-102179P	P 19980928

AB The present invention is based on the discovery of a composition that provides targeted anti-microbial effect. Specifically the composition contains a targeting moiety which recognizes a target microbial organism and an anti-microbial peptide moiety which has anti-microbial activity. In addition, the present invention provides methods of treating a microbial infection, e.g., on mucosal surfaces by using the compns. provided by the present invention. In one embodiment, the targeting moiety of the present invention is a monoclonal antibody or one of various forms of a monoclonal antibody that specifically recognizes an epitope or antigen of a target microbial organism.

IT 723289-44-9P

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

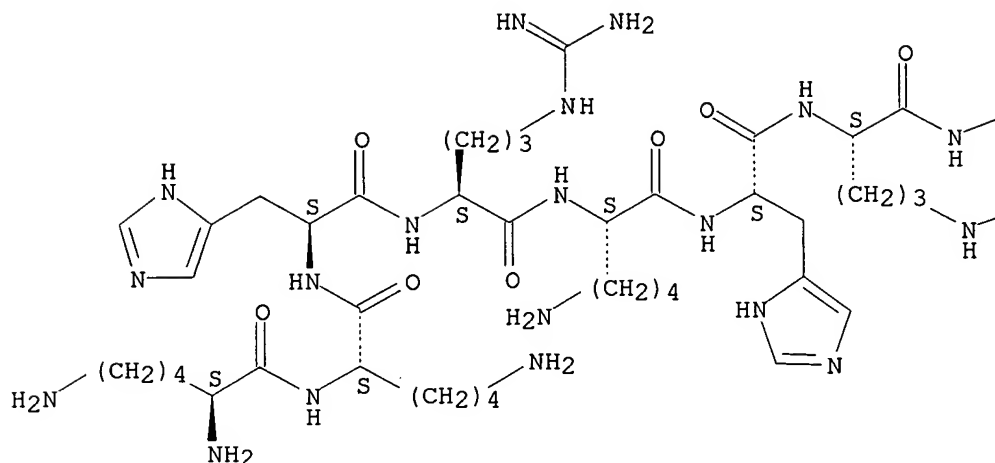
(amino acid sequence, microorganism-docking peptide; anti-microbial chimeric pharmaceutical containing microorganism-targeting moiety and anti-microbial peptide moiety)

RN 723289-44-9 HCAPLUS

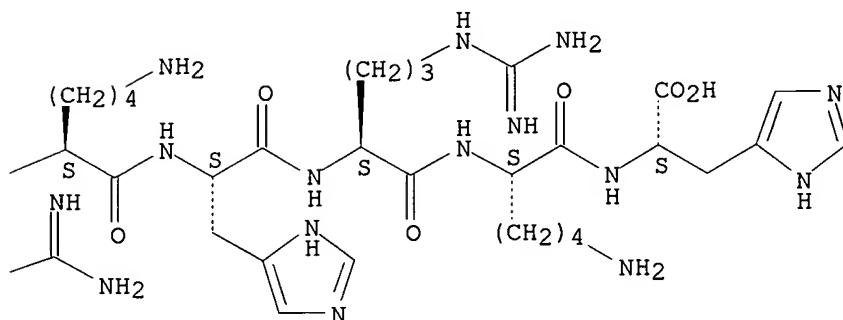
CN L-Histidine, L-lysyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



L3 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2004:178316 USPATFULL

TITLE: Anti-microbial targeting chimeric pharmaceutical

INVENTOR(S): Eckert, Randal, Los Angeles, CA, UNITED STATES

Qi, Fengxia, Harbor City, CA, UNITED STATES

Shi, Wenyuan, Los Angeles, CA, UNITED STATES

Anderson, Maxwell H., Seattle, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004137482	A1	20040715
APPLICATION INFO.:	US 2003-706391	A1	20031112 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2002-77624, filed on 14 Feb 2002, PENDING Continuation-in-part of Ser. No. US 2001-910358, filed on 19 Jul 2001, PENDING		

Continuation-in-part of Ser. No. US 1999-378577, filed  
on 20 Aug 1999, PENDING

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: GRAY CARY WARE & FREIDENRICH LLP, 153 TOWNSEND, SUITE  
800, SAN FRANCISCO, CA, 94107

NUMBER OF CLAIMS: 46  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 14 Drawing Page(s)  
LINE COUNT: 1797

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is based on the discovery of a composition that provides targeted anti-microbial effect. Specifically the composition contains a targeting moiety which recognizes a target microbial organism and an anti-microbial peptide moiety which has anti-microbial activity. In addition, the present invention provides methods of treating a microbial infection, e.g., on mucosal surfaces by using the compositions provided by the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 723289-44-9P

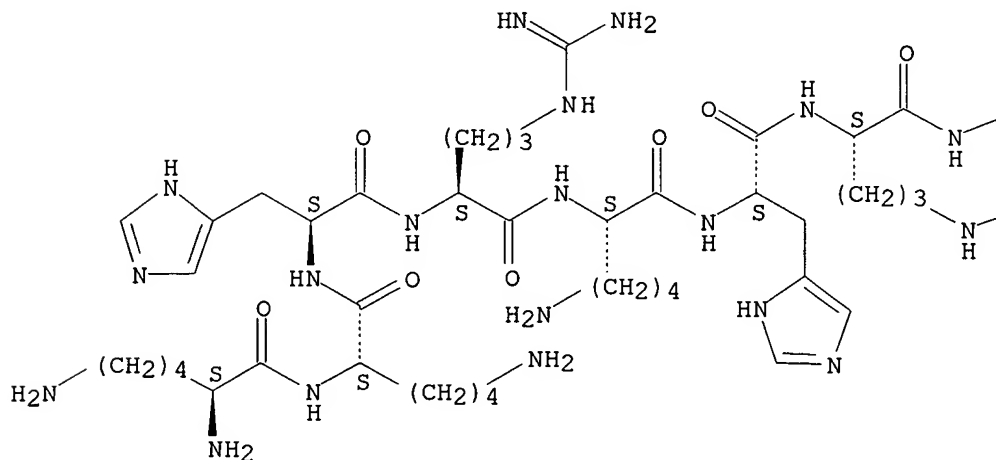
(amino acid sequence, microorganism-docking peptide; anti-microbial chimeric pharmaceutical containing microorganism-targeting moiety and anti-microbial peptide moiety)

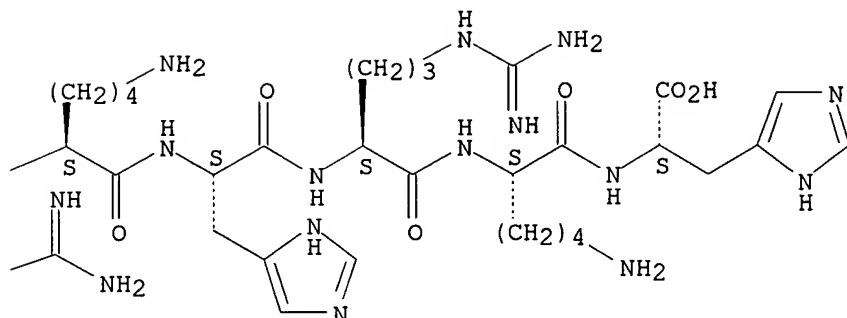
RN 723289-44-9 USPATFULL

CN L-Histidine, L-lysyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A





=&gt; L2

L4 2 L2

=&gt; d his

(FILE 'HOME' ENTERED AT 11:23:02 ON 22 NOV 2006)

FILE 'REGISTRY' ENTERED AT 11:23:15 ON 22 NOV 2006

L1 1 S KKHRKHKRKH/SQEP

L2 3 S KKHRKHKRKH/SQSP

FILE 'HCAPLUS, USPATFULL' ENTERED AT 11:24:45 ON 22 NOV 2006

L3 2 L1

L4 2 L2

=&gt; L2

L5 2 L2

=&gt; d L5 1-2 ibib abs hitstr

L5 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:569757 HCAPLUS

DOCUMENT NUMBER: 141:117120

TITLE: Anti-microbial chimeric pharmaceutical containing a microorganism-targeting moiety and an anti-microbial peptide moiety

INVENTOR(S): Eckert, Randal; Qi, Fengxia; Shi, Wenyan; Anderson, Maxwell H.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 44 pp., Cont.-in-part of U.S. Ser. No. 77,624.

CODEN: USXXCO

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FAMILY ACC. NUM. COUNT: 6

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US 2004052814	A1	20040318	US 2001-910358	20010719

US 2003143234  
PRIORITY APPLN. INFO.:

A1 20030731 US 2002-77624 20020214  
US 1999-378577 A2 19990820  
US 2001-910358 A2 20010719  
US 2002-77624 A2 20020214  
US 1998-102179P P 19980928

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IT 723513-86-8P 723513-87-9P  
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(amino acid sequence, chimeric pharmaceutical peptide; anti-microbial chimeric pharmaceutical containing microorganism-targeting moiety and anti-microbial peptide moiety)

RN 723513-86-8 HCAPLUS  
CN Glycine, L-lysyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidylglycylglycyl-L-serylglycylglycyl-L-seryl-L-lysyl-L-asparaginy-L-leucyl-L-arginyl-L-arginyl-L-isoleucyl-L-isoleucyl-L-arginyl-L-lysylglycyl-L-isoleucyl-L-histidyl-L-isoleucyl-L-isoleucyl-L-lysyl-L-lysyl-L-tyrosyl- (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

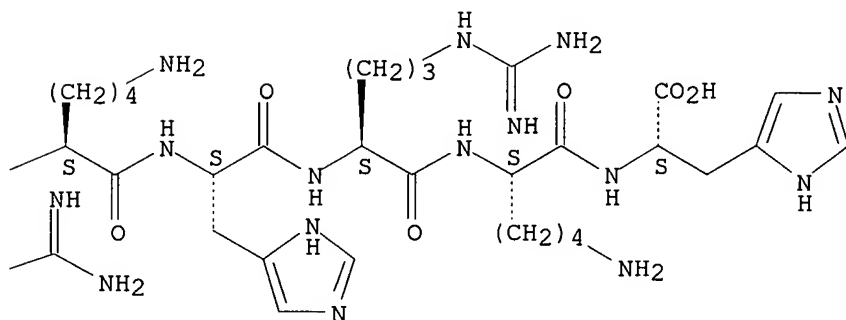
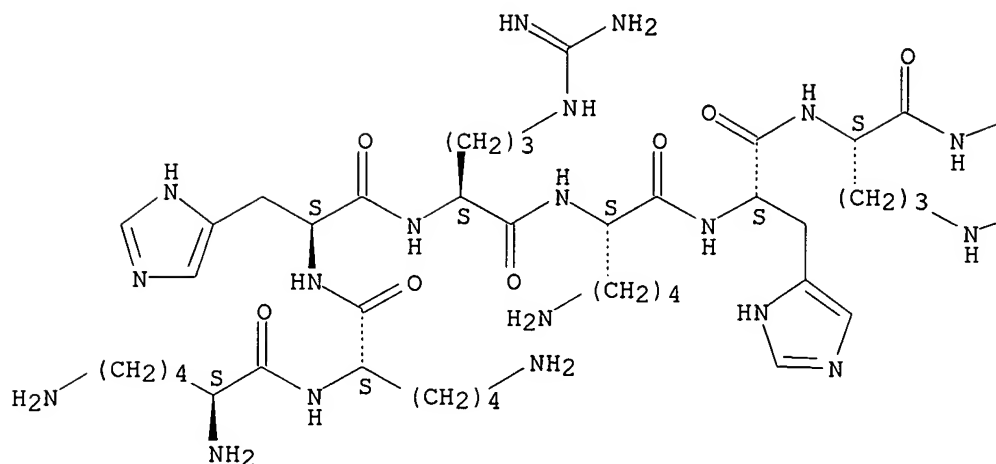
RN 723513-87-9 HCAPLUS  
CN L-Histidine, L-lysyl-L-asparaginy-L-leucyl-L-arginyl-L-arginyl-L-isoleucyl-L-isoleucyl-L-arginyl-L-lysylglycyl-L-isoleucyl-L-histidyl-L-isoleucyl-L-isoleucyl-L-lysyl-L-lysyl-L-tyrosylglycylglycylglycyl-L-serylglycylglycyl-L-seryl-L-lysyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl- (9CI) (CA INDEX NAME)

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(amino acid sequence, microorganism-docking peptide; anti-microbial chimeric pharmaceutical containing microorganism-targeting moiety and anti-microbial peptide moiety)

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Absolute stereochemistry.



L5 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2004:178316 USPATFULL

TITLE: Anti-microbial targeting chimeric pharmaceutical

INVENTOR(S): Eckert, Randal, Los Angeles, CA, UNITED STATES

Qi, Fengxia, Harbor City, CA, UNITED STATES

Shi, Wenyuan, Los Angeles, CA, UNITED STATES

Anderson, Maxwell H., Seattle, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004137482	A1	20040715
APPLICATION INFO.:	US 2003-706391	A1	20031112 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2002-77624, filed on 14 Feb 2002, PENDING Continuation-in-part of Ser. No. US 2001-910358, filed on 19 Jul 2001, PENDING Continuation-in-part of Ser. No. US 1999-378577, filed on 20 Aug 1999, PENDING		
DOCUMENT TYPE:	Utility		



FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: GRAY CARY WARE & FREIDENRICH LLP, 153 TOWNSEND, SUITE  
 800, SAN FRANCISCO, CA, 94107  
 NUMBER OF CLAIMS: 46  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 14 Drawing Page(s)  
 LINE COUNT: 1797

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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IT 723513-86-8P 723513-87-9P

(amino acid sequence, chimeric pharmaceutical peptide; anti-microbial chimeric pharmaceutical containing microorganism-targeting moiety and anti-microbial peptide moiety)

RN 723513-86-8 USPATFULL

CN Glycine, L-lysyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidylglycylglycyl-L-serylglycylglycyl-L-seryl-L-lysyl-L-asparaginy-L-leucyl-L-arginyl-L-arginyl-L-isoleucyl-L-isoleucyl-L-arginyl-L-lysylglycyl-L-isoleucyl-L-histidyl-L-isoleucyl-L-isoleucyl-L-lysyl-L-lysyl-L-tyrosyl- (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

RN 723513-87-9 USPATFULL

CN L-Histidine, L-lysyl-L-asparaginy-L-leucyl-L-arginyl-L-arginyl-L-isoleucyl-L-isoleucyl-L-arginyl-L-lysylglycyl-L-isoleucyl-L-histidyl-L-isoleucyl-L-isoleucyl-L-lysyl-L-lysyl-L-tyrosylglycylglycylglycyl-L-serylglycylglycyl-L-seryl-L-lysyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl- (9CI) (CA INDEX NAME)

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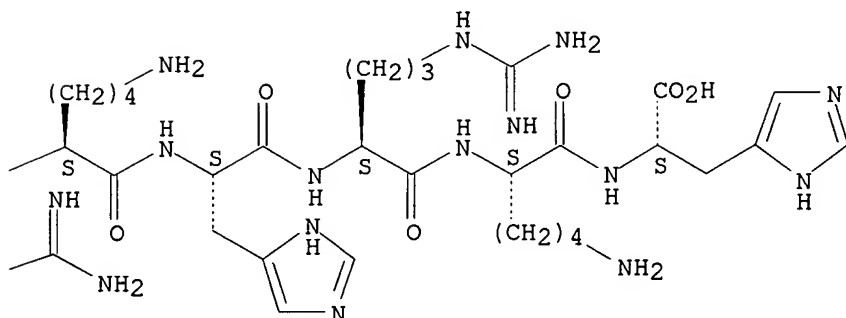
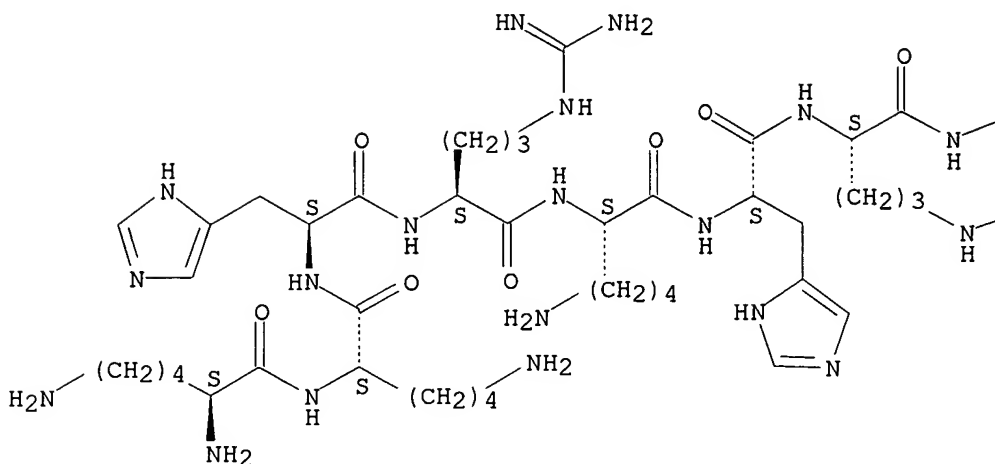
IT 723289-44-9P

(amino acid sequence, microorganism-docking peptide; anti-microbial chimeric pharmaceutical containing microorganism-targeting moiety and anti-microbial peptide moiety)

RN 723289-44-9 USPATFULL

CN L-Histidine, L-lysyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl-L-histidyl-L-arginyl-L-lysyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> d que stat

L2 3 SEA FILE=REGISTRY ABB=ON PLU=ON KKHRKHKRKH/SQSP  
L5 2 SEA L2

=> d his full

(FILE 'HOME' ENTERED AT 11:23:02 ON 22 NOV 2006)

FILE 'REGISTRY' ENTERED AT 11:23:15 ON 22 NOV 2006

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L2 3 SEA ABB=ON PLU=ON KKHRKHKRKH/SQSP

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L4 2 SEA ABB=ON PLU=ON L2

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L5            2 SEA ABB=ON PLU=ON L2  
              D L5 1-2 IBIB ABS HITSTR  
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#### FILE HOME

#### FILE REGISTRY

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FILE LAST UPDATED: 21 Nov 2006 (20061121/ED)

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#### FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 21 Nov 2006 (20061121/PD)  
FILE LAST UPDATED: 21 Nov 2006 (20061121/ED)  
HIGHEST GRANTED PATENT NUMBER: US7140045  
HIGHEST APPLICATION PUBLICATION NUMBER: US2006260017  
CA INDEXING IS CURRENT THROUGH 21 Nov 2006 (20061121/UPCA)  
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 21 Nov 2006 (20061121/PD)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006

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